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TITLE : METHOD FOR MEASURING ANTIMUCIN ANTIBODY, CANCER MEASURING
METHOD, AND CANCER DIAGNOSTIC MEDICINE

ABSTRACT : PROBLEM TO BE SOLVED: To effectively detect a cancer by forming a mucin
peptides-antimucin antibody complex by bringing a specimen into contact with mucin
peptides and measuring the complex.

SOLUTION: A mucin peptides-antimucin antibody complex is formed by bonding an
antimucin antibody contained in a specimen to mucin peptides through an
antigen-antibody reaction caused by bringing the specimen into contact with the mucin
peptides by mixing the specimen in the mucin peptides. At the time of measuring the
complex, an immunoassay method in which the antimucin antibody contained in the
specimen is measured by utilizing an antibody labeled with, for example, an enzyme,
radioisotope, etc., or an agglutination method in which the variation of the turbidity or
absorbance of the specimen caused by the formation of the complex, etc., is measured
can be utilized. The serum, etc., of a patient can be utilized as the specimen and a
phosphoric acid buffer solution containing a surface activate agent can be utilized as a
cleaning solution. This measuring method using the antimucin antibody can be effectively
utilized for the measurement of cancer.

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